

# Arkansas State Highway and Transportation Department



**Arkansas Good Roads Transportation Council**  
**Arkansas Electric Cooperatives**  
Tuesday, June 10, 2014



THE GOOD



THE BAD

THE UGLY



# THE GOOD



# Recent Voter Approved Programs

**November  
2011**



**November  
2012**





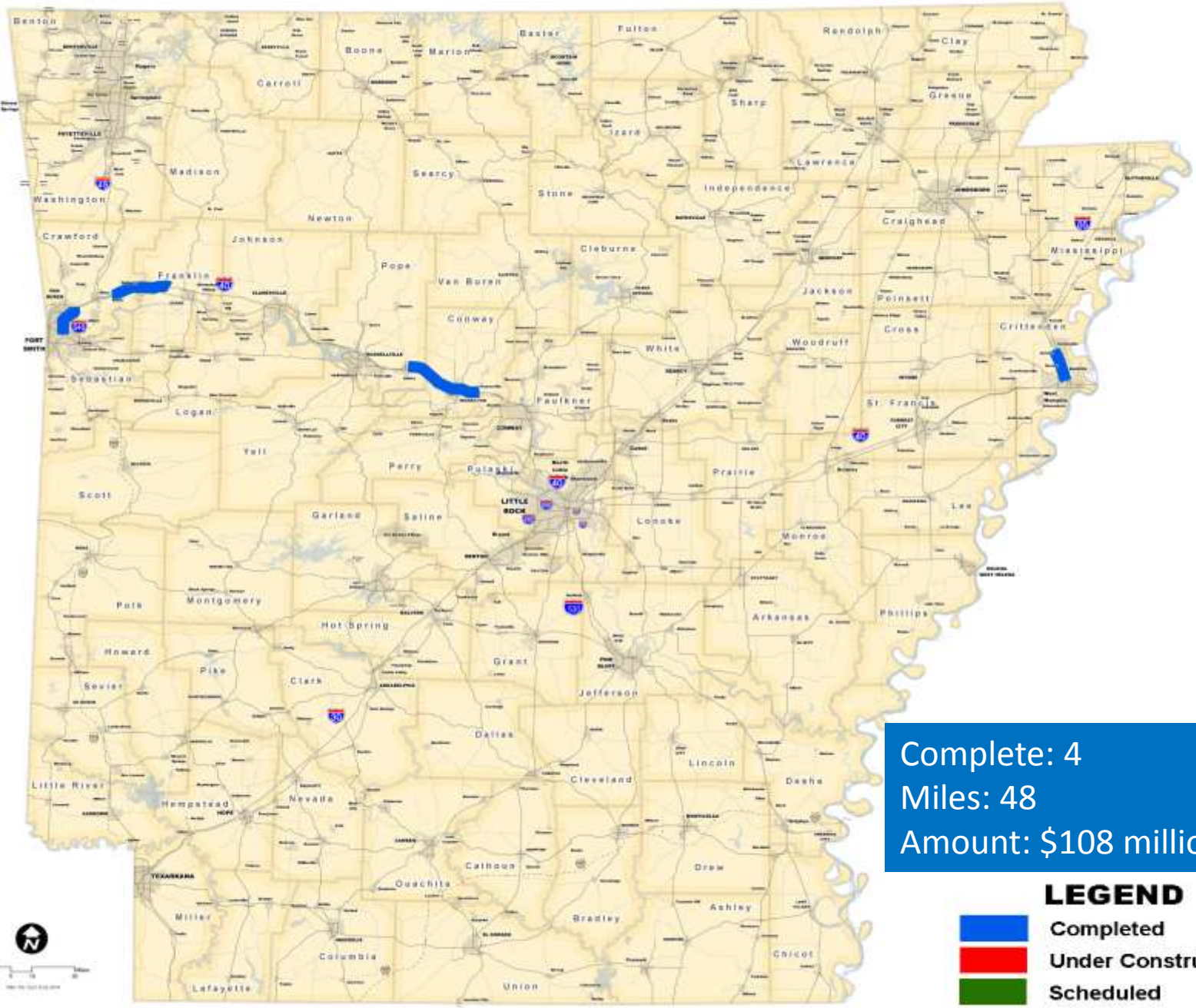


INTERSTATE  
REHABILITATION  
PROGRAM

*IRP*



# Interstate Rehabilitation Program Job Status



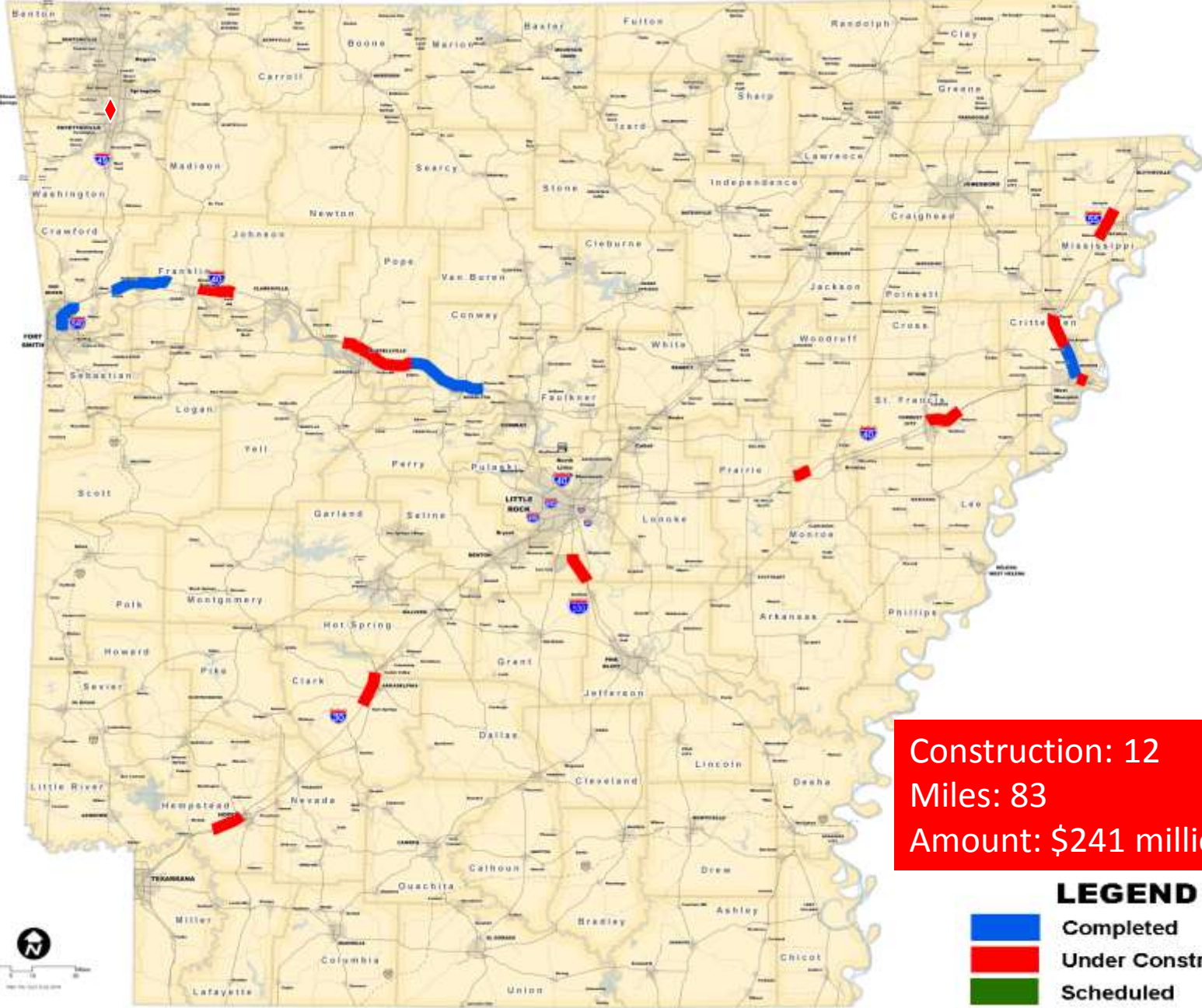
Complete: 4  
Miles: 48  
Amount: \$108 million

LEGEND	
	Completed
	Under Construction
	Scheduled





# Interstate Rehabilitation Program Job Status



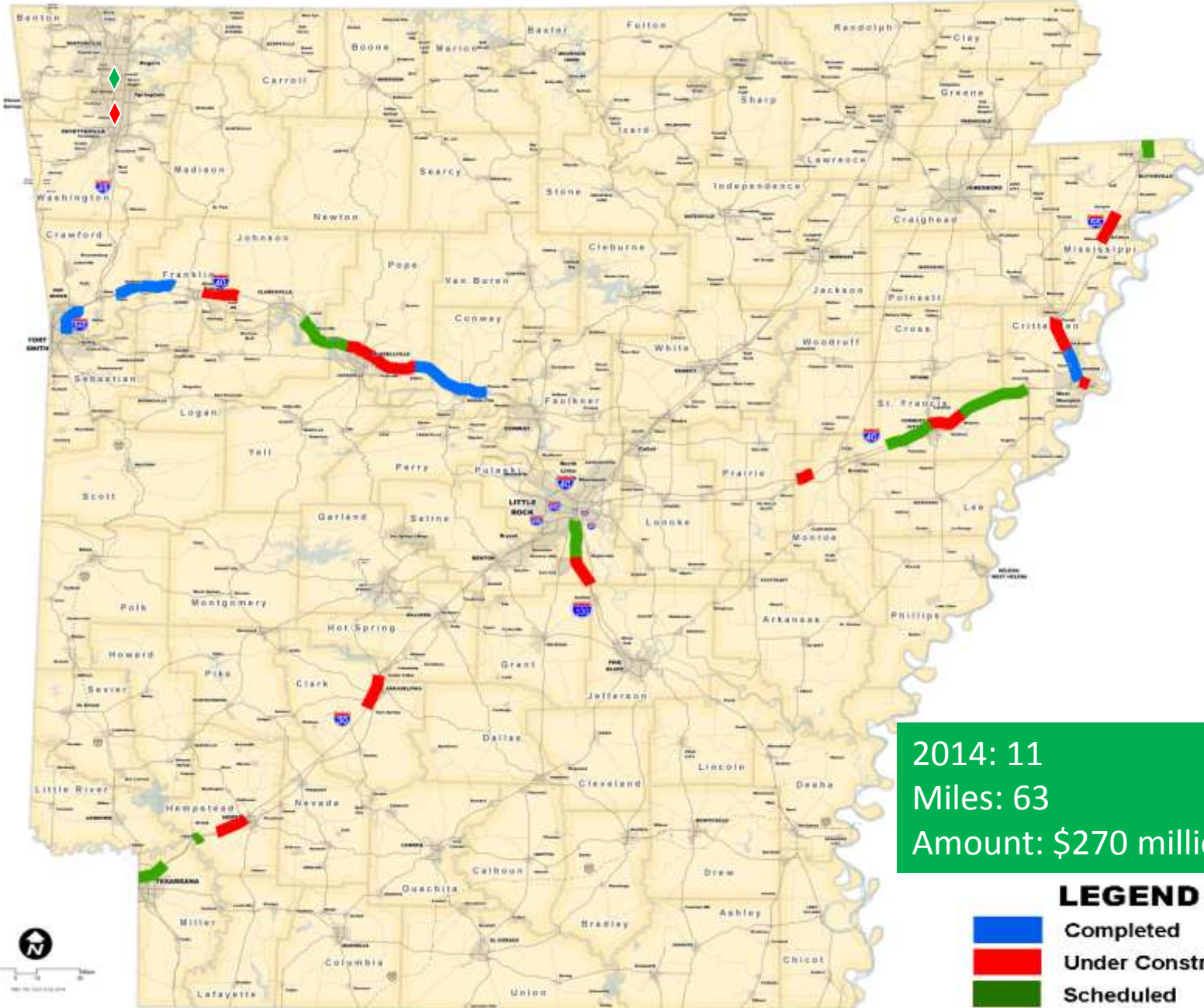
Construction: 12  
Miles: 83  
Amount: \$241 million

LEGEND	
	Completed
	Under Construction
	Scheduled





# Interstate Rehabilitation Program Job Status



2014: 11  
Miles: 63  
Amount: \$270 million

### LEGEND

-  Completed
-  Under Construction
-  Scheduled





# Interstate Rehabilitation Program

Job Status

I-49  
Wagon Wheel Rd.  
Interchange

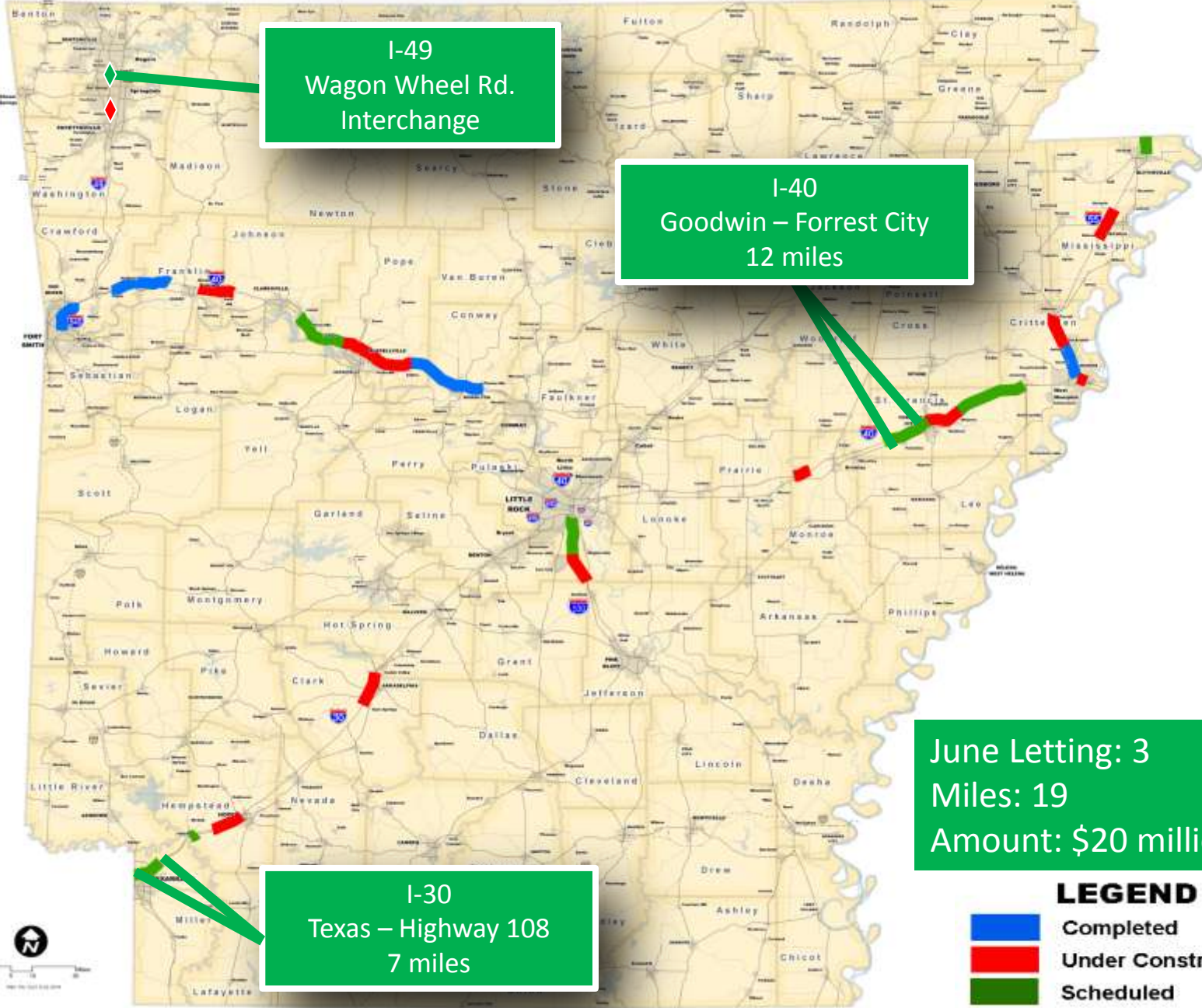
I-40  
Goodwin – Forrest City  
12 miles

I-30  
Texas – Highway 108  
7 miles

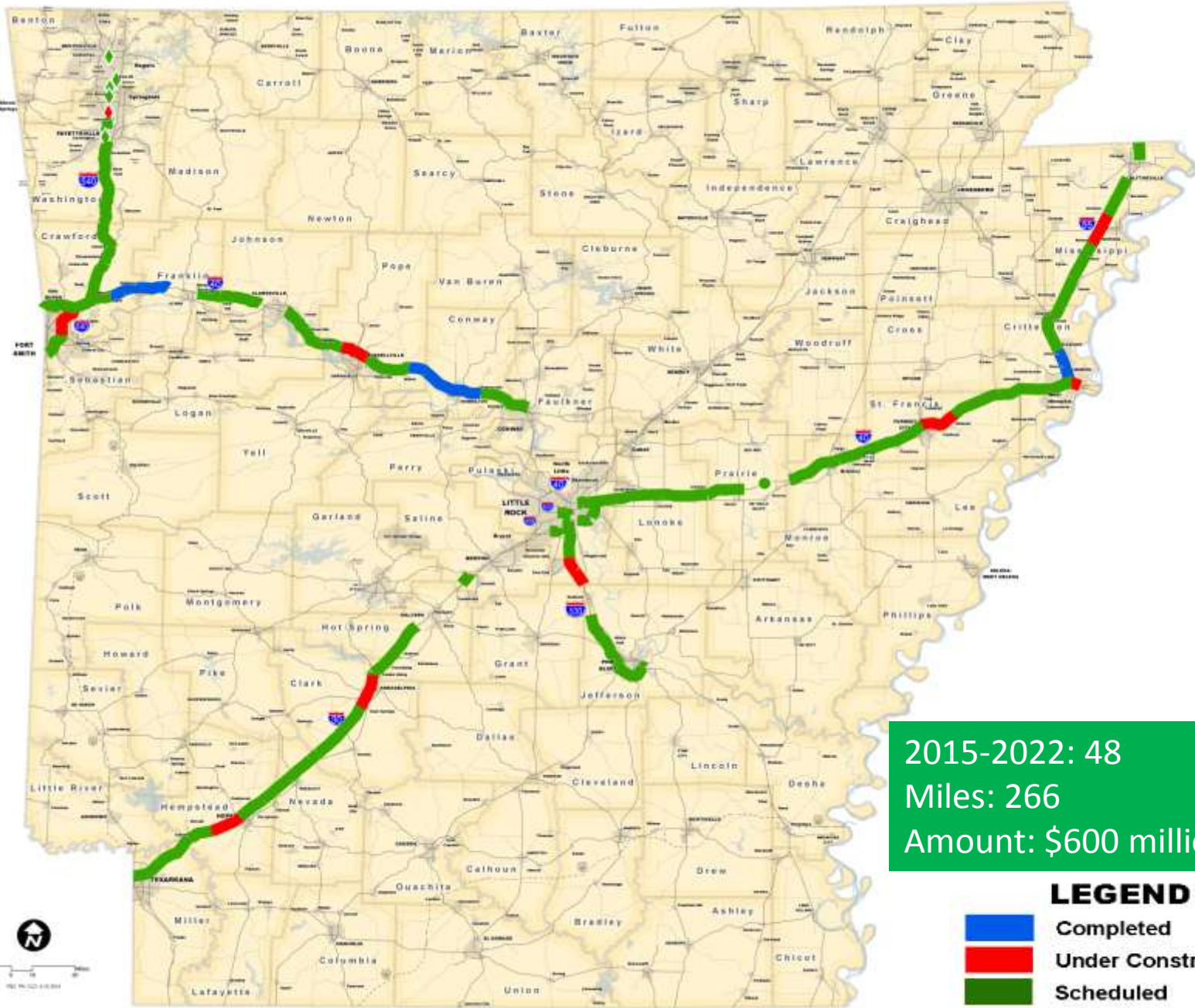
June Letting: 3  
Miles: 19  
Amount: \$20 million

**LEGEND**

- Completed
- Under Construction
- Scheduled



# Interstate Rehabilitation Program Job Status



2015-2022: 48  
Miles: 266  
Amount: \$600 million

### LEGEND

-  Completed
-  Under Construction
-  Scheduled





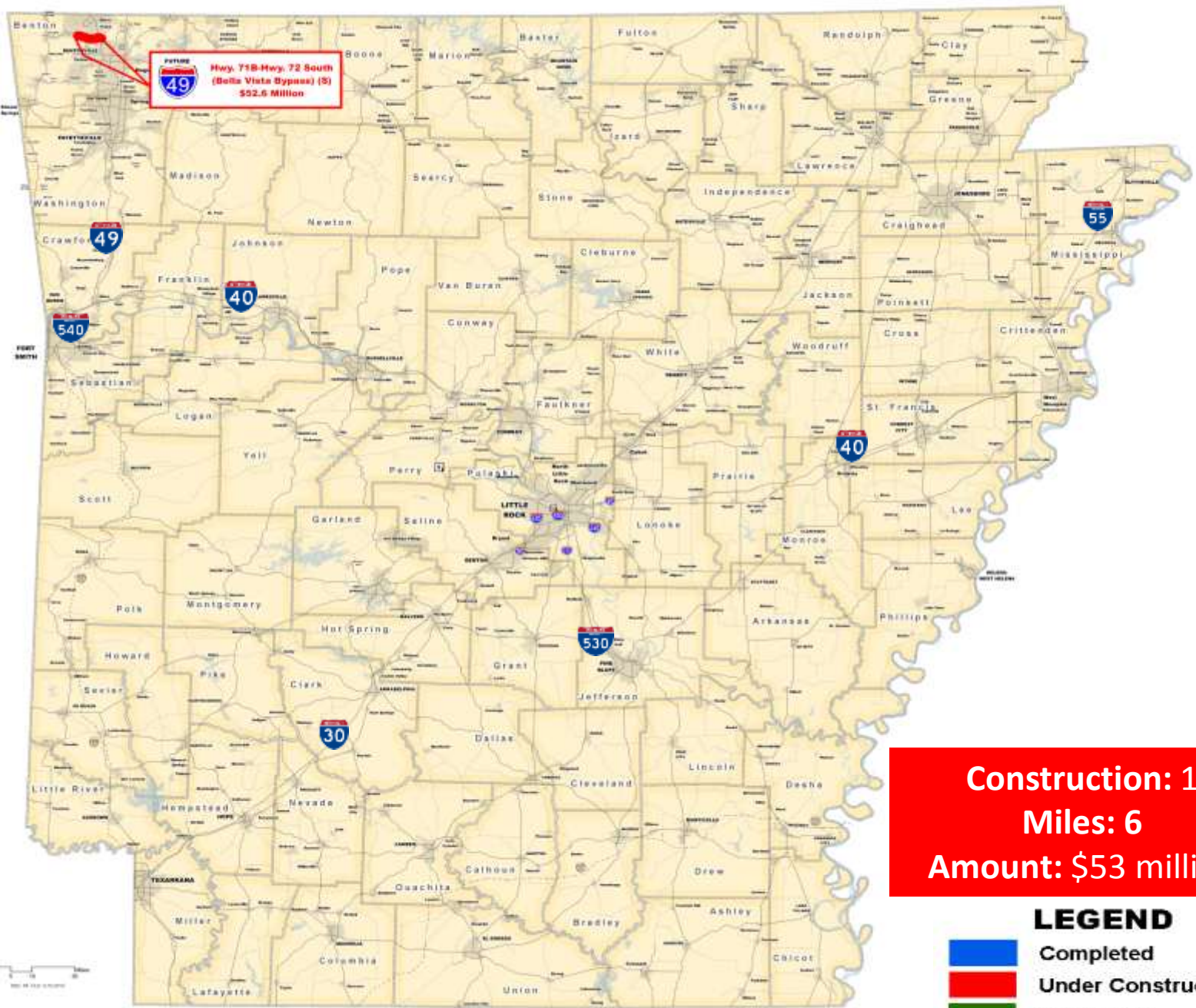


CONNECTING  
ARKANSAS  
PROGRAM

**CAP**



# Connecting Arkansas Program Under Construction



Construction: 1  
Miles: 6  
Amount: \$53 million

**LEGEND**

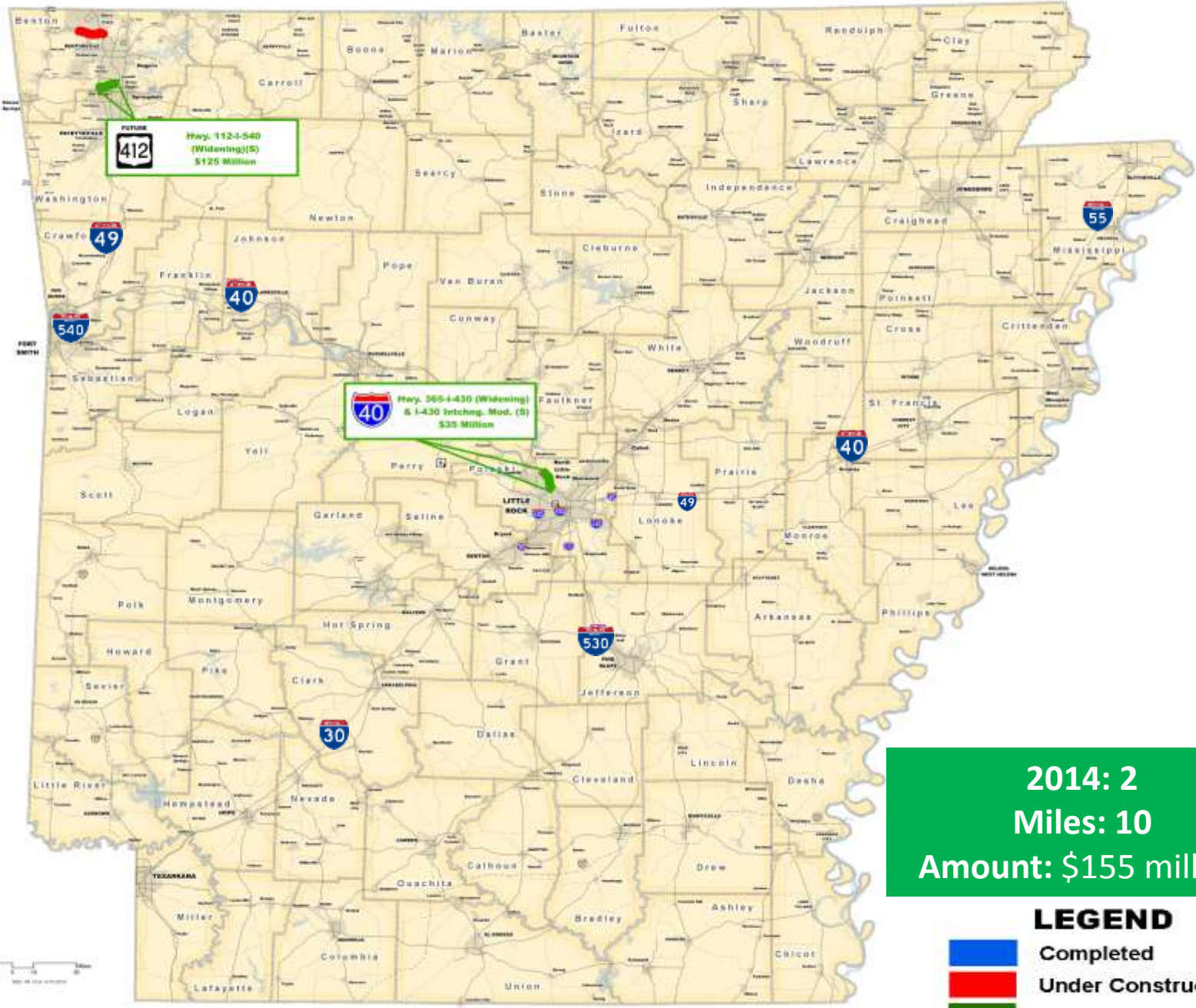
- Completed
- Under Construction
- Scheduled





# Connecting Arkansas Program

2014



2014: 2  
Miles: 10  
Amount: \$155 million

- LEGEND**
- Completed
  - Under Construction
  - Scheduled



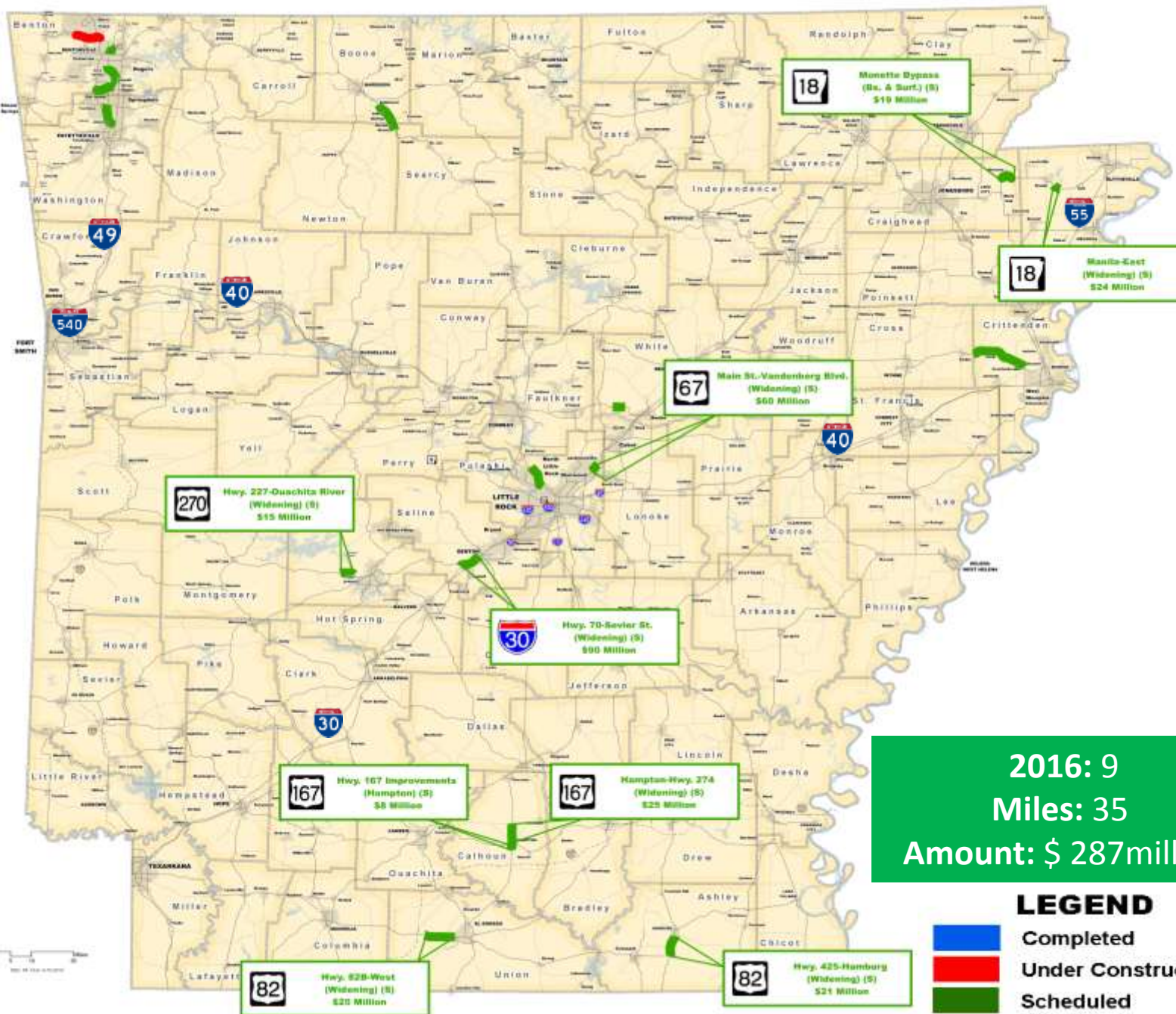






# Connecting Arkansas Program

2016



**2016: 9  
Miles: 35  
Amount: \$ 287million**

**LEGEND**

- Completed
- Under Construction
- Scheduled





# Connecting Arkansas Program

2017-2019



**2017-2019: 13  
Miles: 92  
Amount: \$805 million**

## LEGEND

- Completed
- Under Construction
- Scheduled







***Turnback Funds***  
**for cities and counties.**





## *Highway Revenue Division*

### **70/15/15 Formula**

- ✓ **70% Arkansas Highway & Transportation Dept**
- ✓ **15% Arkansas Counties**
- ✓ **15% Arkansas Cities**





## *Highway Revenue Division*

**\$700 million for Local Improvements**

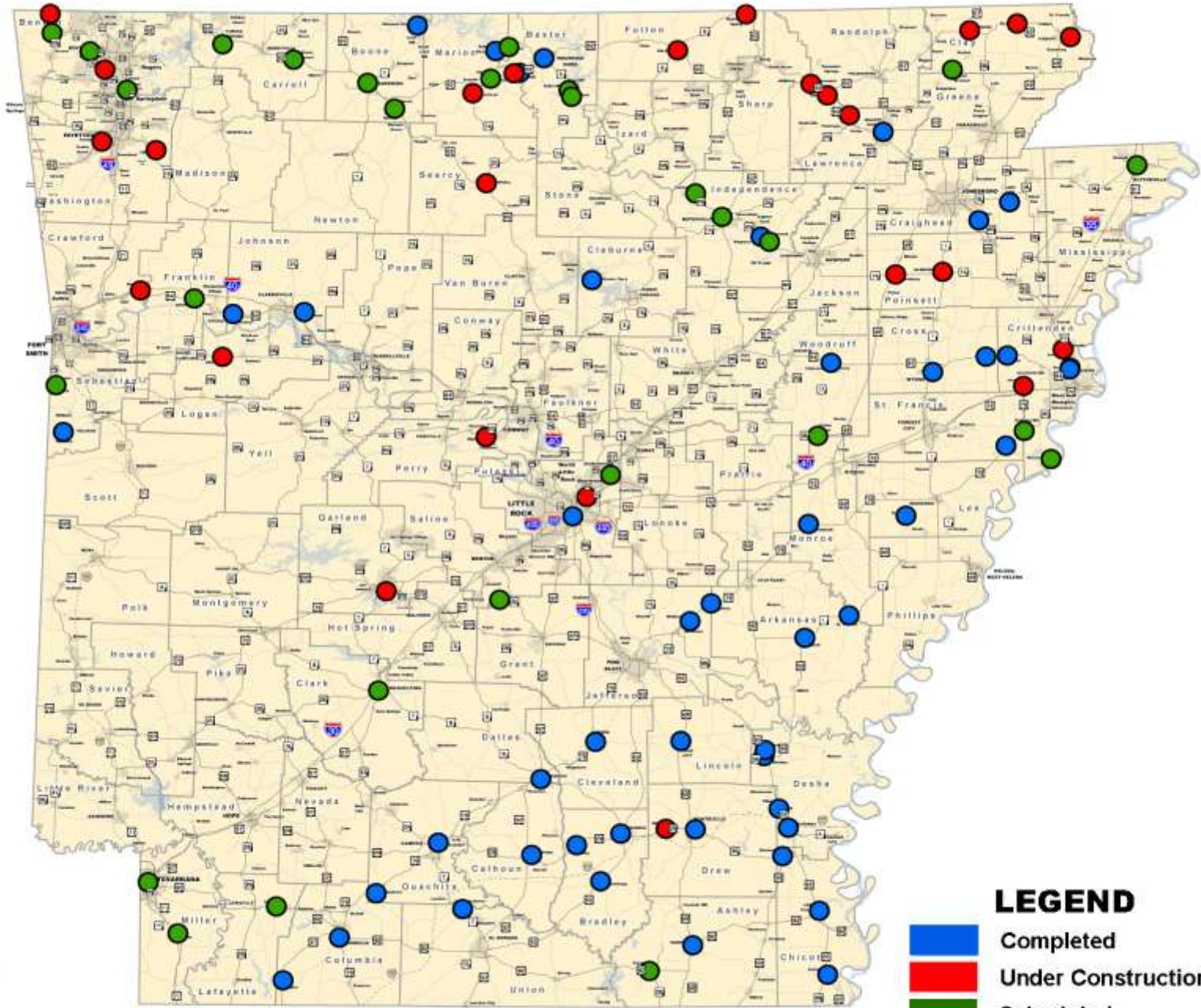
- ✓ **\$350 million for *county roads***
- ✓ **\$350 million for *city streets***



***State Aid  
City Street Program***







## LEGEND

- Blue: Completed
- Red: Under Construction
- Green: Scheduled





THE

BAD



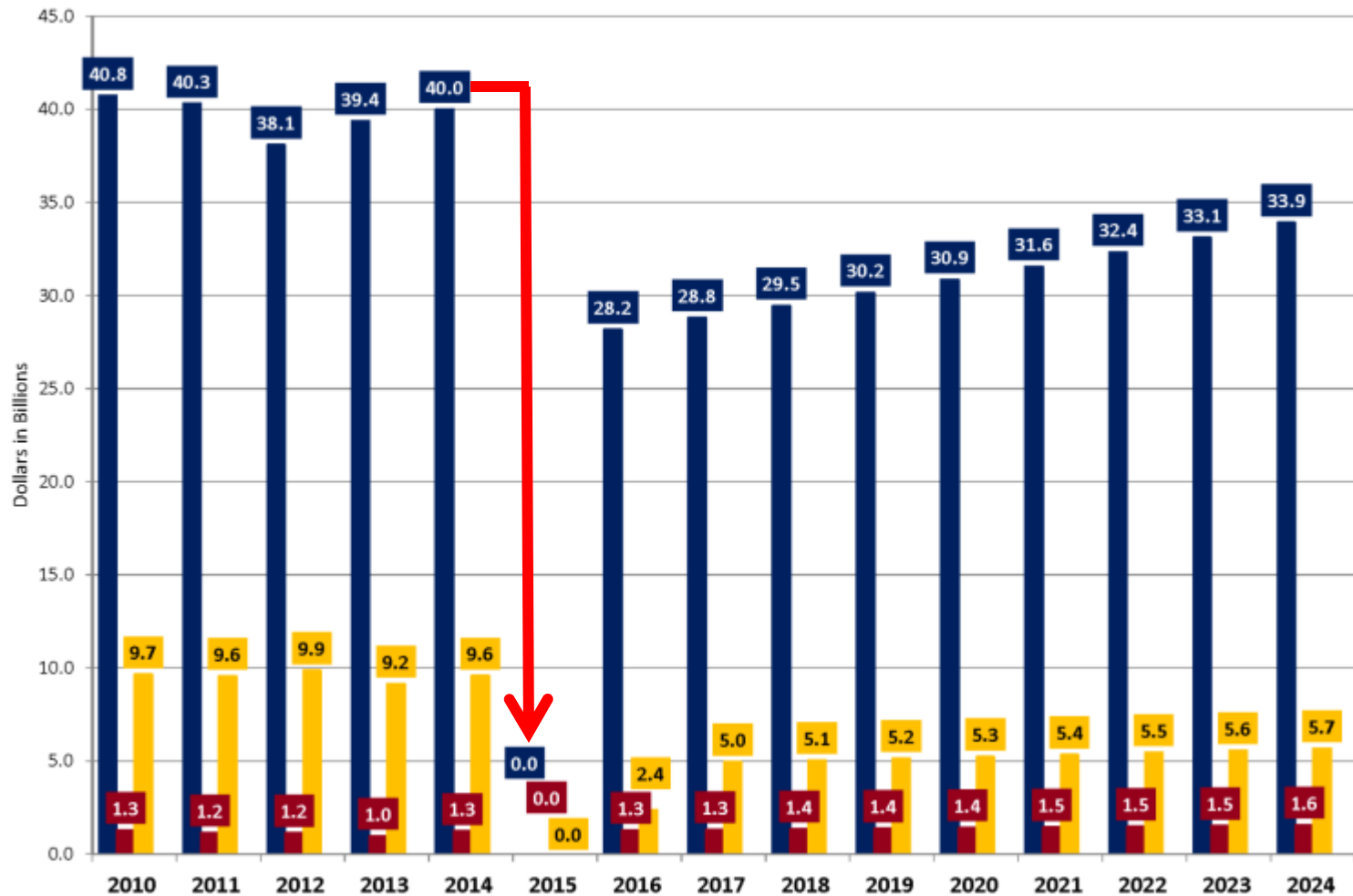
# FEDERAL HIGHWAY TRUST FUND

ESTIMATED FEDERAL HIGHWAY AND TRANSIT OBLIGATIONS WITH NO NET NEW REVENUE

Highway Safety

Federal Aid Highway

Transit

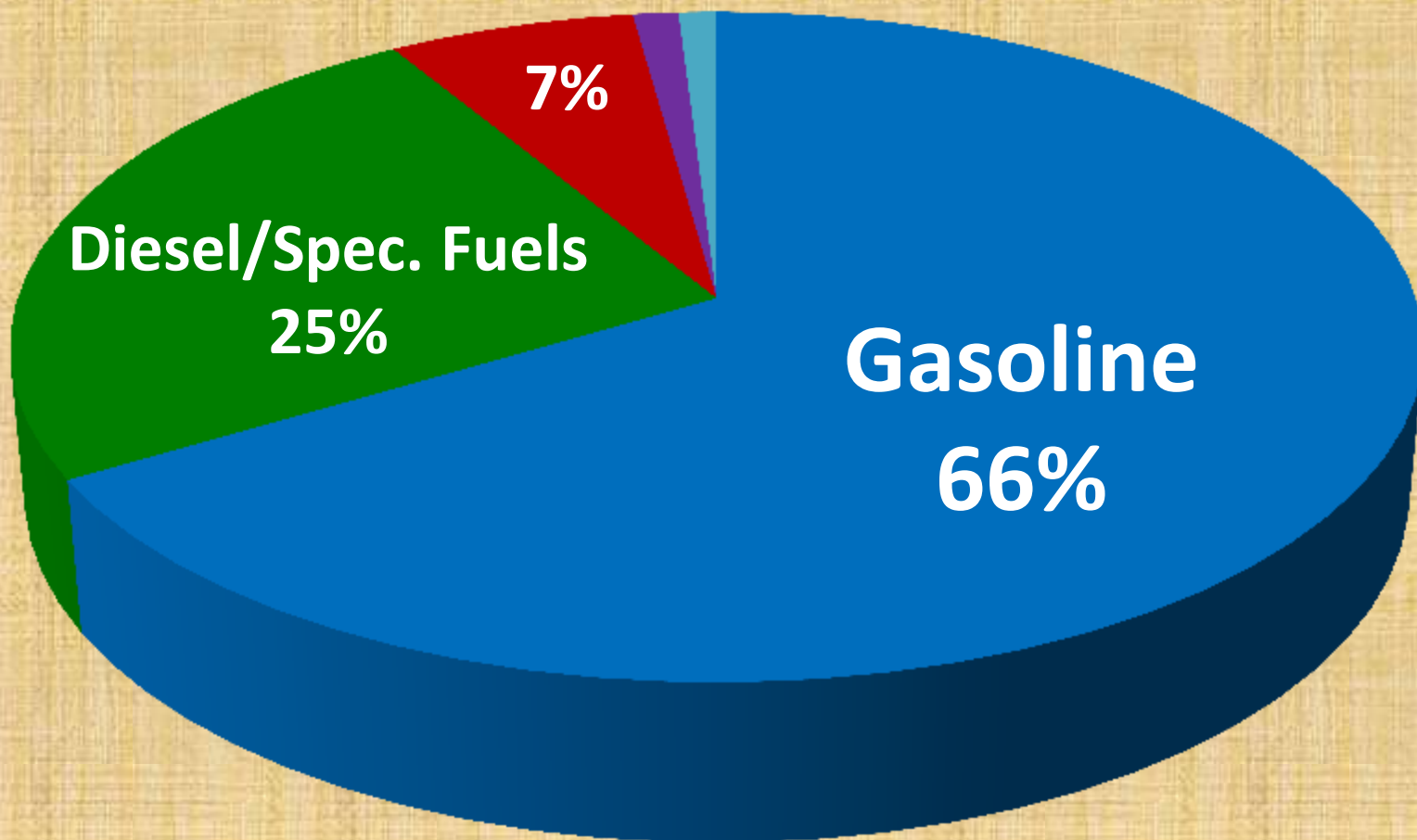


# Federal Highway Trust Fund Tax Receipts

Truck/Bus/Trailer 7%

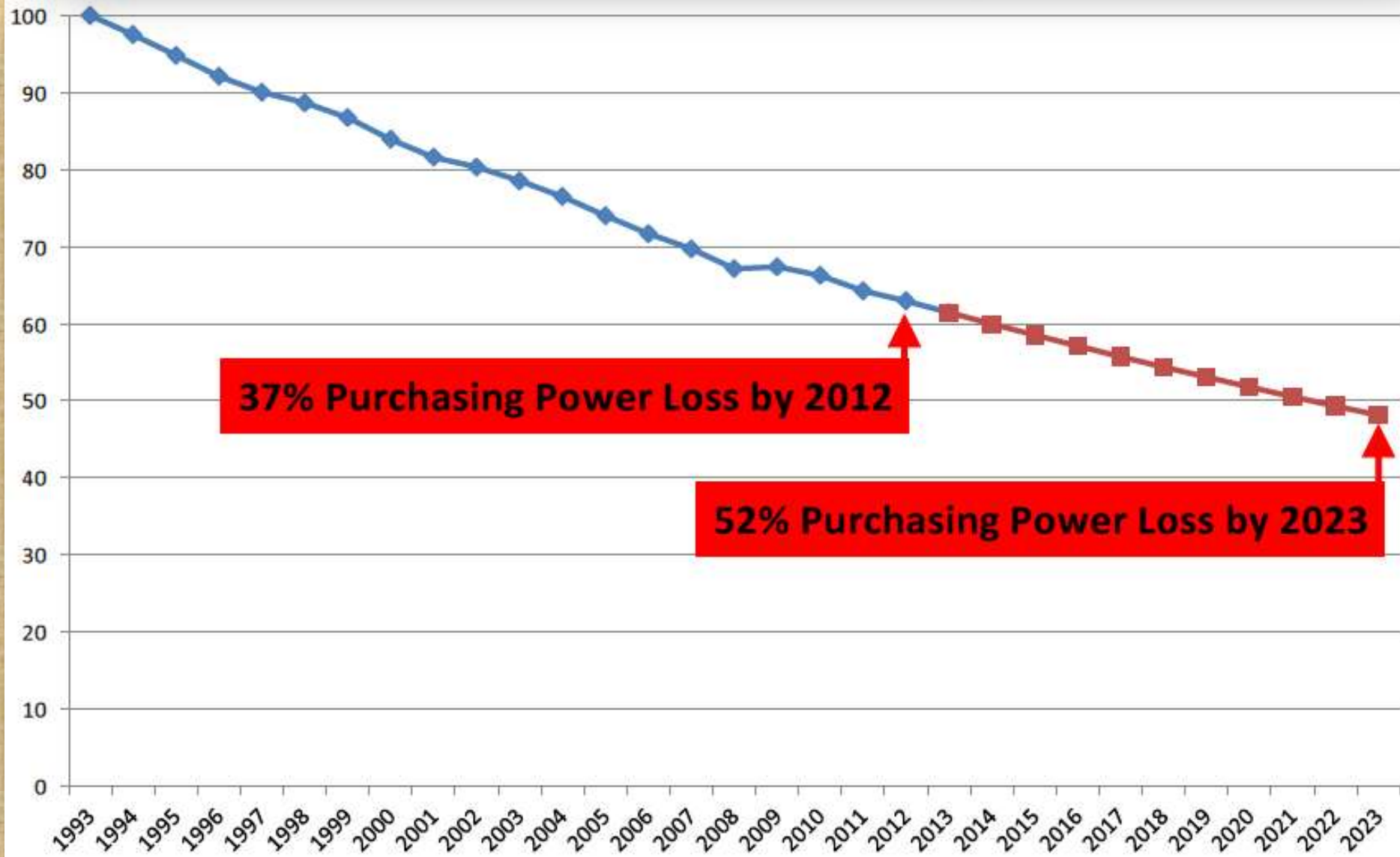
Tires 1.0%

Heavy Vehicle Tax 0.1%





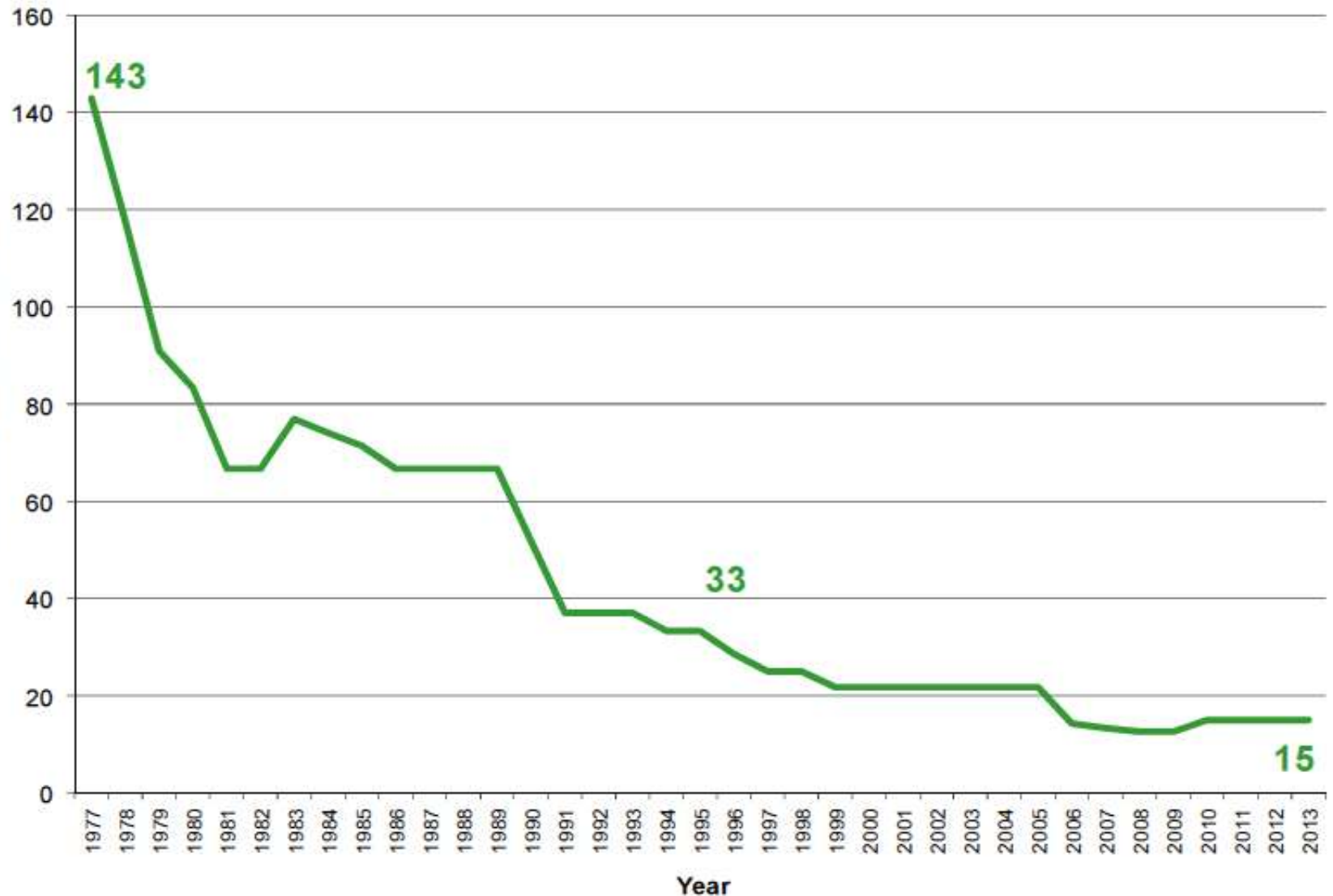
# Gasoline Tax Purchasing Power



# The Shrinking Highway Dollar

## *\$100,000,000 Widening Program*

Miles of Widening  
Rural Highway 2 to 5 lanes

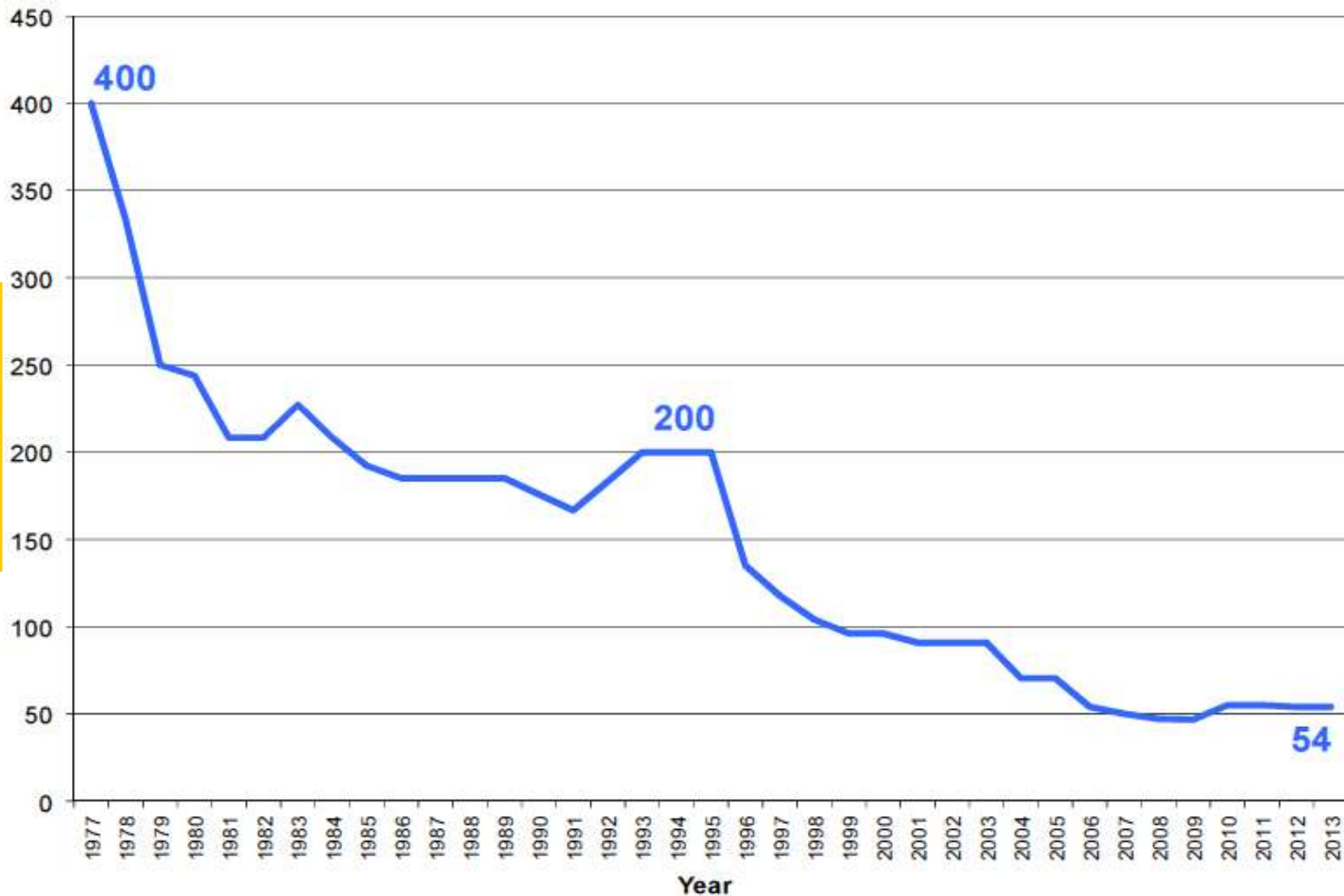




# The Shrinking Highway Dollar

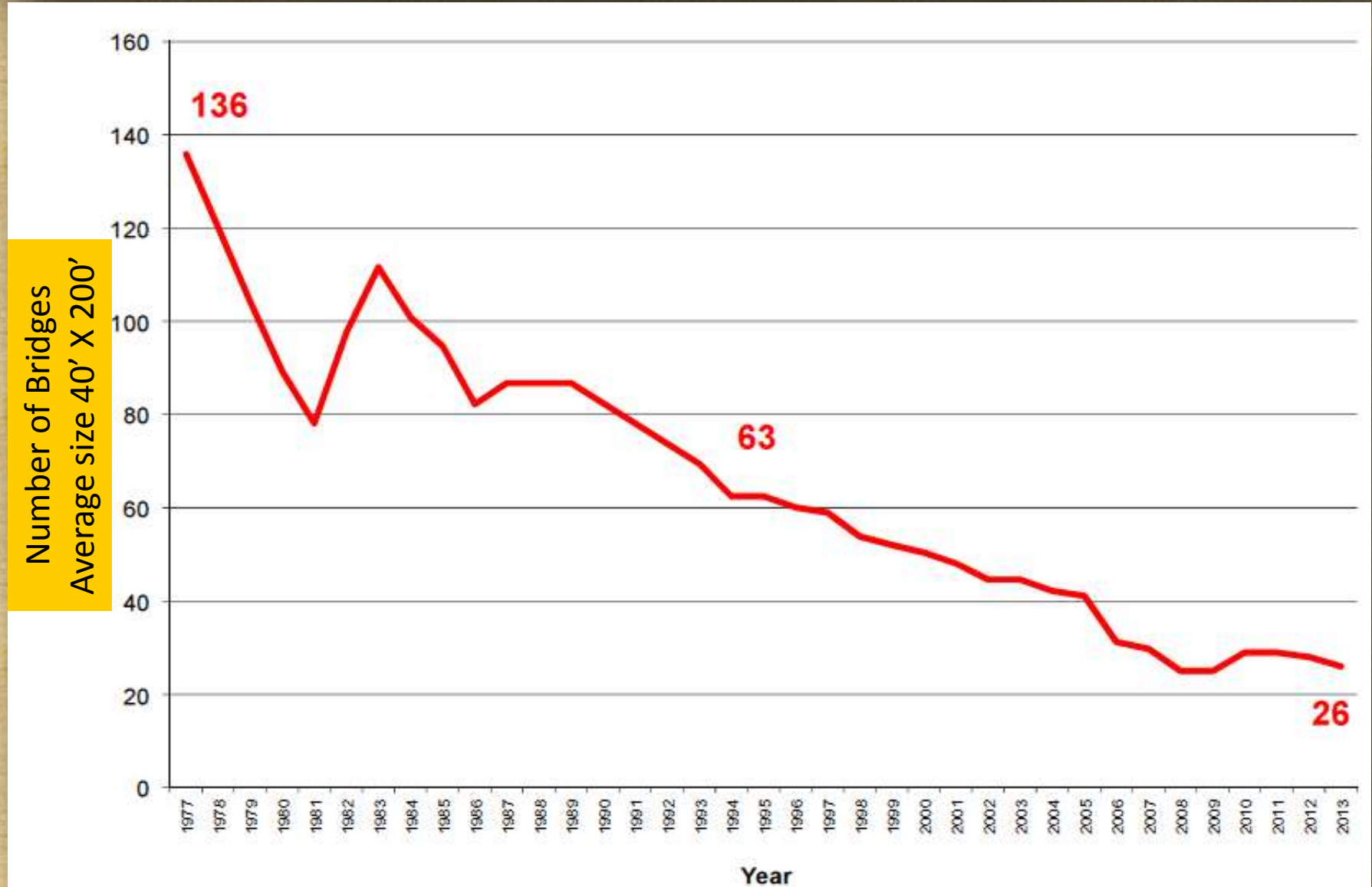
## *\$10,000,000 Overlay Program*

Miles of Overlay  
2 lanes



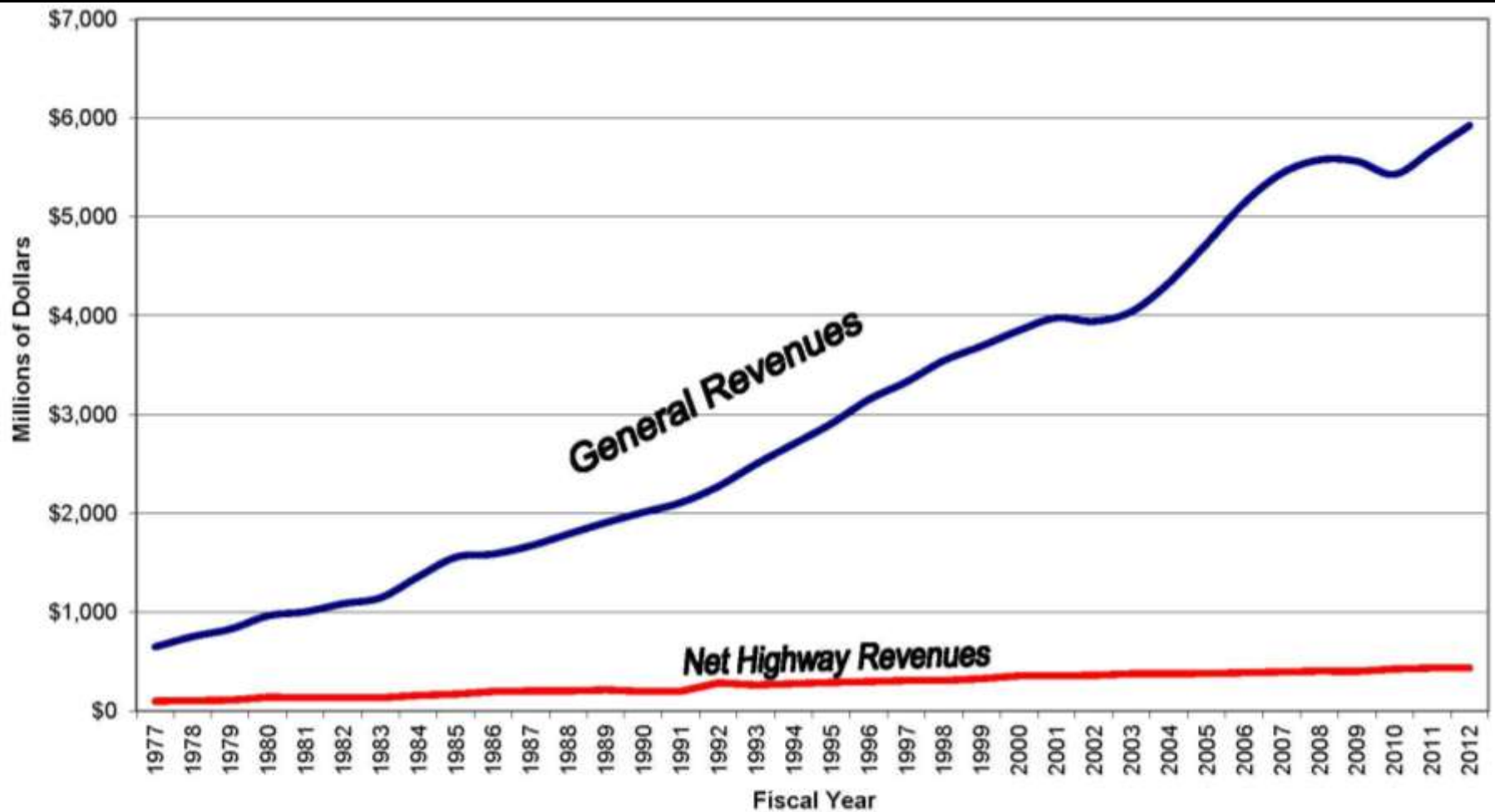
# The Shrinking Highway Dollar

## *\$25,000,000 Bridge Program*





# State General Revenues vs. AHTD Net Highway Revenues



— ARKANSAS STATE GENERAL REVENUES — AHTD NET HIGHWAY REVENUES

# THE UGLY





# Maintenance Needs - Equipment



**Current Investment  
\$12 million annually**



# Maintenance Needs - Equipment

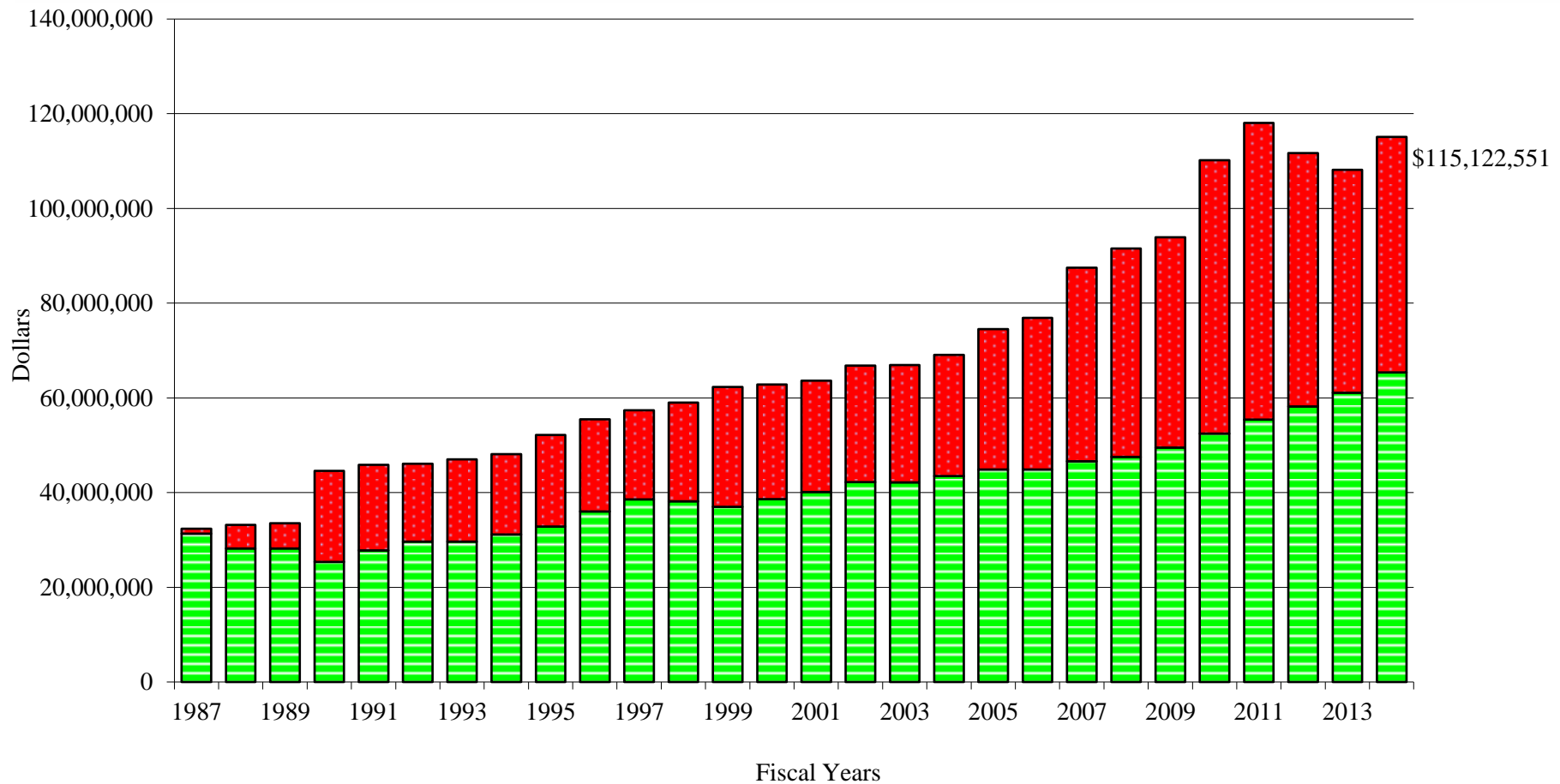
➤ **\$61 million to Achieve Optimum Age of Fleet**



➤ **Plus Annual Expenditures**




# Maintenance Budget Allotments vs. Needs




Allotted

Unfunded Needs

# Needs vs. *Revenue*

 CONNECTING  
ARKANSAS  
PROGRAM  
**CAP** = 180 miles

 INTERSTATE  
REHABILITATION  
PROGRAM  
**IRP** = 450 miles



# Needs vs. *Revenue*



+



**Total = 630 miles**

**3.8%**

# Quality of Infrastructure

## 2008-2009

Rank	Country/Economy	Score
1	Switzerland	6.8
2	Singapore	6.7
3	Germany	6.6
4	France	6.6
5	Finland	6.5
6	Austria	6.5
7	Denmark	6.4
8	Hong Kong	6.3
<b>9</b>	<b>United States</b>	<b>6.1</b>
10	Canada	6.0
11	United Arab Emirates	6.0
12	Sweden	6.0
13	Iceland	5.9

Rank	Country/Economy	Score
14	Luxembourg	5.9
15	Belgium	5.8
16	Japan	5.7
17	Netherlands	5.6
18	Korea	5.6
19	Malaysia	5.6
20	Barbados	5.5
21	Cyprus	5.5
22	China	5.5
23	Portugal	5.4
24	United Kingdom	5.3
25	Australia	5.2



# Quality of Infrastructure 2012-2013

Rank	Country/Economy	Score
1	Switzerland	6.6
2	Singapore	6.5
3	Finland	6.5
4	Hong Kong	6.5
5	France	6.4
6	United Arab Emirates	6.4
7	Iceland	6.3
8	Austria	6.3
9	Germany	6.2
10	Netherlands	6.2
11	Portugal	6.2
12	Luxembourg	6.2
13	Denmark	6.0

Rank	Country/Economy	Score
14	Bahrain	6.0
15	Canada	6.0
16	Japan	5.9
17	Belgium	5.9
18	Spain	5.8
19	Sweden	5.8
20	Oman	5.8
21	Barbados	5.8
22	Korea	5.8
23	Saudi Arabia	5.8
24	United Kingdom	5.6
<b>25</b>	<b>United States</b>	<b>5.6</b>



**Ranking  
#74**



**Rutting: 0.34 inches**

**IRI: 213 inches / mile**

**Cracking: 42**

**PCI: 65**

**ADT: 170**

Excellent

Good

Fair

Poor







Ranking  
#20



Rutting: 0.34 inches

IRI: 264 inches / mile

Cracking: 53

PCI: 71

ADT: 390

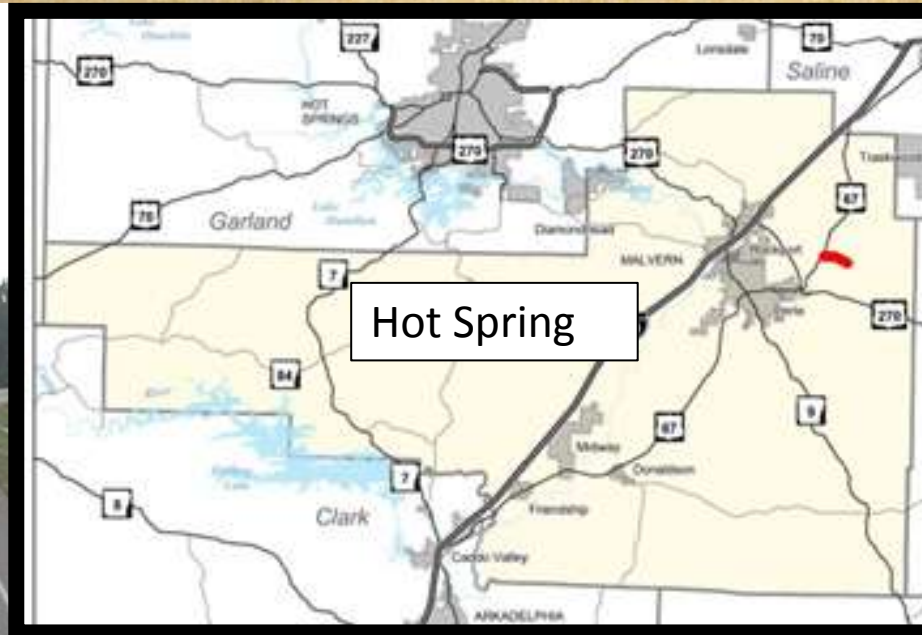
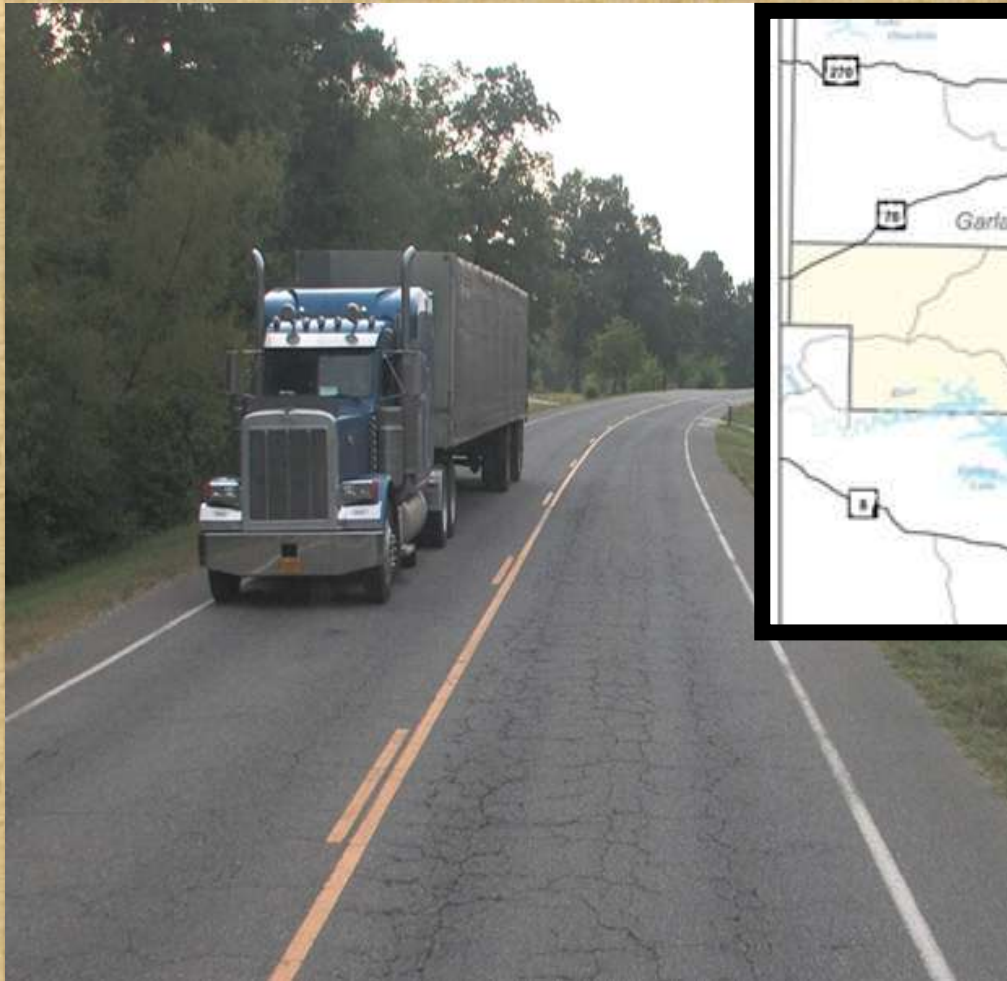
Excellent

Good

Fair

Poor





# Ranking #6



**Rutting: 0.89 inches**

**IRI: 146 inches / mile**

**Cracking: 80**

**PCI: 78**

**ADT: 530**

Excellent

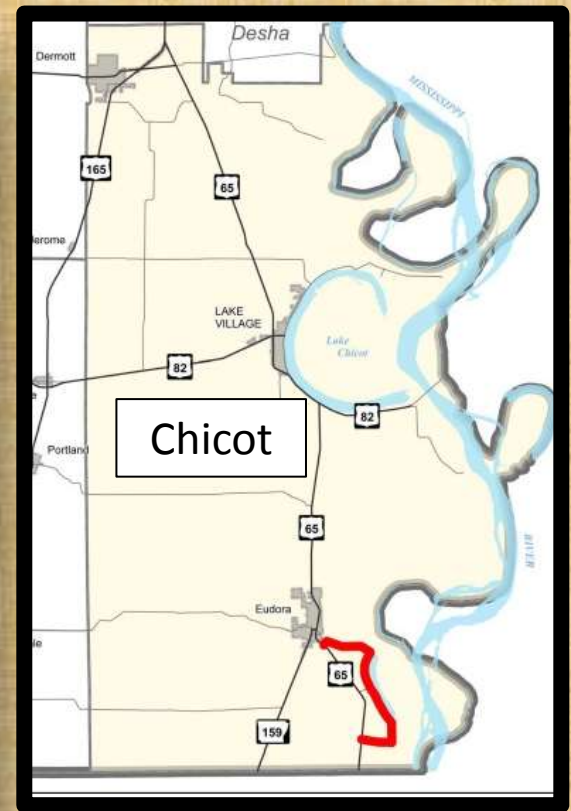
Good

Fair

Poor







**Ranking  
#3**



**Rutting: 0.58 inches**

**IRI: 313 inches / mile**

**Cracking: 62**

**PCI: 82**

**ADT: 200**

Excellent

Good

Fair

Poor



**Ranking  
#2**



**Business**

**Rutting: 0.56 inches**

**IRI: 320 inches / mile**

**Cracking: 63**

**PCI: 82**

**ADT: 180**

**Excellent**

**Good**

**Fair**

**Poor**







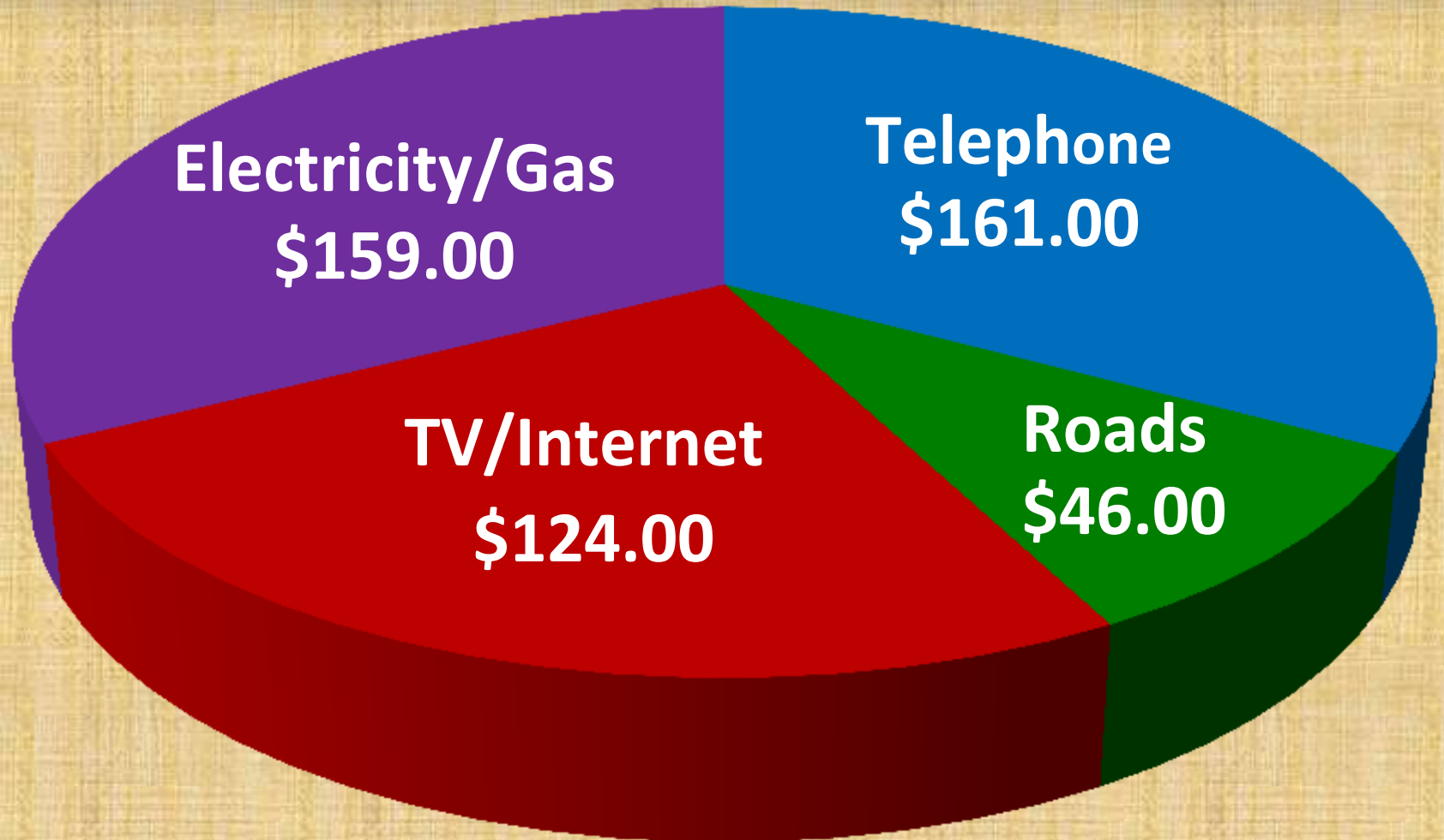
# Ranking #1



Rutting: 0.69 inches	IRI: 240 inches / mile
Cracking: 84	PCI: 86
ADT: 80	

Excellent Good Fair Poor

# Average Monthly Household Expenditures







# MAP-21 Reauthorization

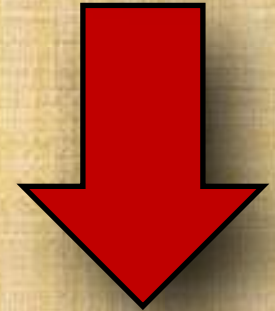
<b>Investment Level (2015 – 2020)</b>	<b>Average Investment Amount Per Year</b>	<b>Additional Needed Monthly Per Household</b>
Maintain Existing MAP-21 Levels	\$57.1 B	\$10.23
11% Increase Adjusted for Inflation	\$63.1 B	\$13.52
1993 Levels Adjusted for Inflation	\$73.3 B	\$19.06



Cost



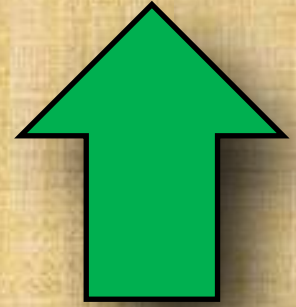
Revenue



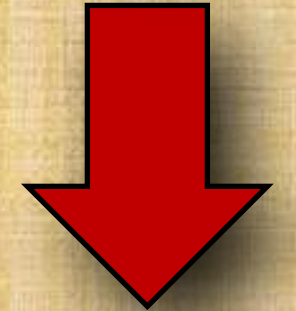




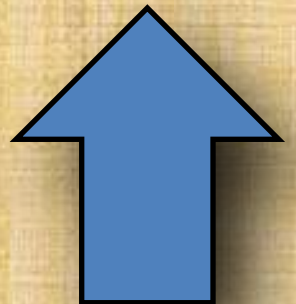
Cost



Revenue

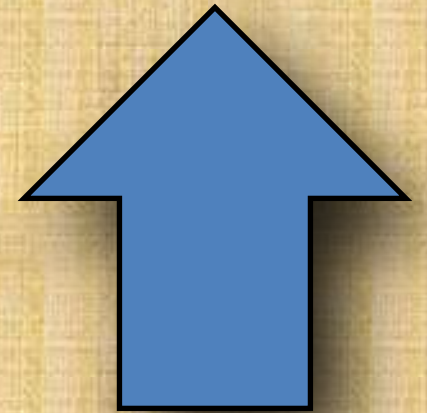


Expectations





Expectations







THE GOOD



THE BAD

THE UGLY





[ArkansasHighways.com](http://ArkansasHighways.com)

Litter Hotline 866-811-1222



**@AHTD**

